

REMARKS

Please reconsider this application in view of the above amendments and the following remarks. Applicant thanks the Examiner for carefully reconsidering this application.

Disposition of Claims

Claims 1-3 are pending in this application. Claim 1 is independent. The remaining claims depend, directly or indirectly, from claim 1.

Claim Amendments

Claim 1 has been amended in this reply to clarify the present invention. No new matter has been added by way of this amendment, as support for this amendment may be found, for example, in the specification in paragraph [0034] and in Figures 7 and 8A.

Claim Rejections under 35 U.S.C. § 102

Claims 1-3 stand rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Patent No. 6,886,221 ("Minami"). Independent claim 1 has been amended in this reply. To the extent that this rejection applies to claim 1 as amended, this rejection is respectfully traversed.

Of the rejected claims, claim 1 is independent. Claim 1 recites a hinge apparatus including a first hinge member, a second hinge member turnably connected to the first hinge member, a moveable member, and a biasing member. The moveable member is arranged on a turning axial line of the first and second hinge members in such a manner as to be turnable about the turning axial line and movable in the direction of the turning axial line. The biasing means is then adapted to bias the moveable member toward the first hinge member. Further, the first hinge member and the moveable member have confronting surfaces, in which one of the confronting

surfaces is provided with a plurality of end face cams extending in the peripheral direction about the turning axial line and equally spacedly arranged in the peripheral direction about the turning axial line. This confronting surface is also provided with a raised wall surface extending in the direction of the turning axial line and disposed between two of the end face cams which are adjacent in the peripheral direction. Further, a recess is formed in the raised wall surface so as to extend into the raised wall surface in the peripheral direction about the turning axial line.

Minami, in particular, shows in Figure 2 a folding device **32** having a movable part **12**, a metallic slider **14**, an actuator case **25**, and an actuator return spring **28**. The Examiner asserts that the movable part **12** and the metallic slider **14** most closely resemble the first hinge member and the movable member, respectively, of the present invention. As such, the movable part **12** includes a movable cam **13** that engages a stationary cam **15** of the metallic slider **14**. The Examiner further asserts that movable part **12** includes a raised wall surface (between cams **13** on part **12**) extending in the direction of the direction of a turning axial line.

However, Applicant respectfully asserts that Minami fails to teach all of the elements of amended independent claim 1. Specifically, claim 1 additionally requires a recess formed in the raised wall surface *so as to extend into the raised wall surface in the peripheral direction about the turning axial line*. Minami does not disclose, suggest, or teach this required recess being formed within the raised wall surface. As disclosed in [0034] on page 18 of the presently filed specification and shown in Figure 8A, the recess **11e** is formed in the raised wall surface **11d** of the first hinge member (stationary cylinder **11**). By including the recess **11e** within the wall surface **11d**, the total length of the end face cam **41** may be extended so as to enable more than 180 degrees of rotation between the stationary cylinder **11** and the movable member **42**. As such, the raised wall surface (between the cams **13** on part **12**) within Minami

fails to show or suggest having such a recess formed within the raised wall surface, as required by the amended claims of the application.

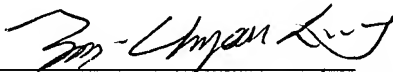
Applicant respectfully notes that in order for a claim to be anticipated, “every element and limitation of the claimed invention must be found in a single prior art reference, arranged as in the claim.” *Brown v. 3M*, 265 F.3d 1349, 1351 (Fed. Cir. 2001). In view of the above, Minami fails to teach each limitation recited in independent claim 1, as amended, as required to support a rejection under § 102. Thus, independent claim 1 is patentable over Minami. Dependent claims 2 and 3 are allowable for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

Conclusion

Applicant believes this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 12088/042001).

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Respectfully submitted,

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